

SolarBoxTM



Folded for transit. Unfolded at site.

235-250 kWp

DESIGN
CAPACITY

120 m

DEPLOYED
ARRAY

1 × 40' HC

CONTAINER

< 3 hrs

ON-SITE
DEPLOYMENT

Manufactured to Specifications. Deployed Worldwide.

| THE PRODUCT

A Complete Solar Power Plant *in a Container*

One transportable platform: generation, protection, inversion, monitoring. Ships like a container. Operates like a power plant.



*Pre-assembled at the factory. Folded for transit. Unfolded at site.
Actual unit, deployed arrays. September 2026.*

Faster Deployment

Pre-assembled architecture cuts site works and commissioning time.

Lower LCOE

Engineered for lower delivered cost of energy

Hybrid-Ready

Integrates with grid, BESS, diesel genset, and load management.

Reduced Civil Works

Foundation-light installation lowers mobilisation cost and complexity.

All-Weather Protection

Containerised electrical equipment and secure stowage mode.

Relocatable Design

Foldable mechanism allows the platform to be moved between project sites.

TECHNICAL SPECIFICATIONS

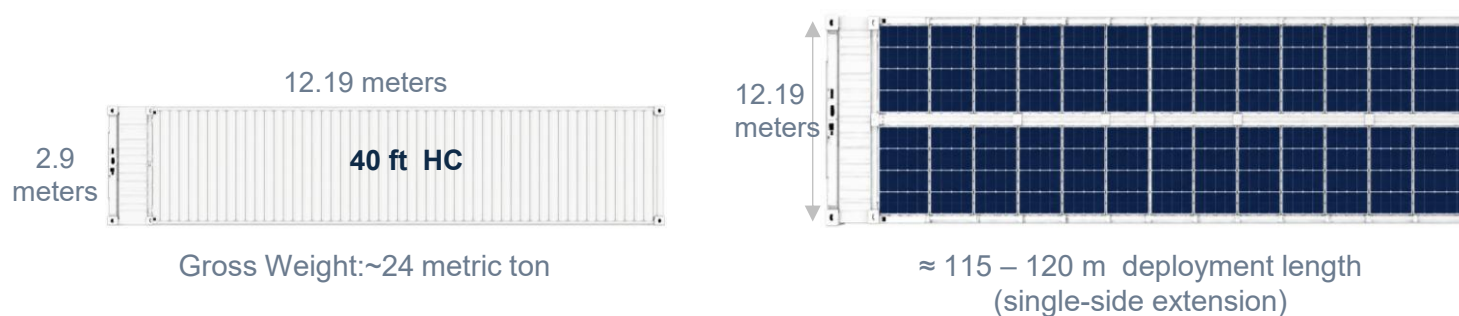
Final configuration is site-specific. ERA engineers each SolarBox™ to match your load profile, irradiation, site constraints, battery requirement, logistics route and grid/genset interface.

PV rated capacity	235 – 250 kWp DC
Module type	N-Type TOPCon Bifacial
Module dimensions	2382 × 1134 × 30 mm
Inverter configuration	2 × 100 / 115 kW off-grid (hybrid option available)
AC output	400 V three-phase, 50 / 60 Hz
Battery interface	Optional BESS — Depending on project's requirement
Container	1 × 40 ft High-Cube — 12,192 × 2,438 × 2,896 mm. CSC-plated
Deployed array length	≈ 120 m, single-side extension from container
Deployment mechanism	Linked folding PV tables, manual or winch assisted
Ground adaptation	Roller-wheel chassis; foundation-light
Deployment time	< 3 hours
Protection	DC / AC isolation, surge protection, grounding
Monitoring	Remote telemetry, alarms, energy meter, data logging
Module performance	25 year power warranty

INDEPENDENTLY VERIFIED

*Technical due diligence by leading international certification body.
Report available to qualified lenders and investors on request.*

TRANSPORT vs DEPLOYED



HOW IT WORKS

How the SolarBox™ Works

Each SolarBox™ is a self-contained 200 kW AC power plant. PV strings, inverters, protection and monitoring are factory-assembled inside one 40-ft High-Cube container. It connects via a single 400 V three-phase AC terminal — no DC field work, no inverter pad, no civil foundation required.

200 kW

AC RATED OUTPUT

235 - 250 kWp

PV DC CAPACITY

2 × 100 kW

INVERTERS

< 3 hrs

DEPLOYMENT TIME

ELECTRICAL ARCHITECTURE

Factory-assembled inside one 40 ft HC — a single AC terminal is all that leaves the box.

PV STRINGS

368 × 640 Wp
N-TOPCon Bifacial
235 kWp DC

*Pre-wired, string-fused at
module level*

DC PROTECTION

MCCB + Fuses
SPD + GFDI
IEC-rated

*DC isolation and arc-fault
detection*

TWIN INVERTERS

2 × 100 kW
Grid / Off-grid
Anti-island IEC 62116

*Seamless grid or island
mode switching*

400 V AC OUT

400 A Terminal
3-phase + N + PE
Plug-and-play

*Single connection point
to your site*

PROTECTION ARCHITECTURE

Two-tier AC isolation

Selective earth-fault tripping at feeder and main bus levels.

Anti-islanding IEC 62116

Automatic detection and disconnection on loss of grid supply.

Type-tested switchgear

2 × 200 A MCCB (Tier 1) + 400 A MCCB with SPD T2 (Tier 2).

String-level telemetry

Remote monitoring, alarms, energy metering and data logging.

ENGINEERED AND BUILT FOR BANKABLE PROJECTS

Every SolarBox™ ships with FAT documentation, full BoM, and single-line drawings. Tier-1 audited supply chain. 25 year module power warranty. Commissioning protocol and performance assumptions included as standard.

CONFIGURATIONS & DEPLOYMENT

How the SolarBox™ Deploys

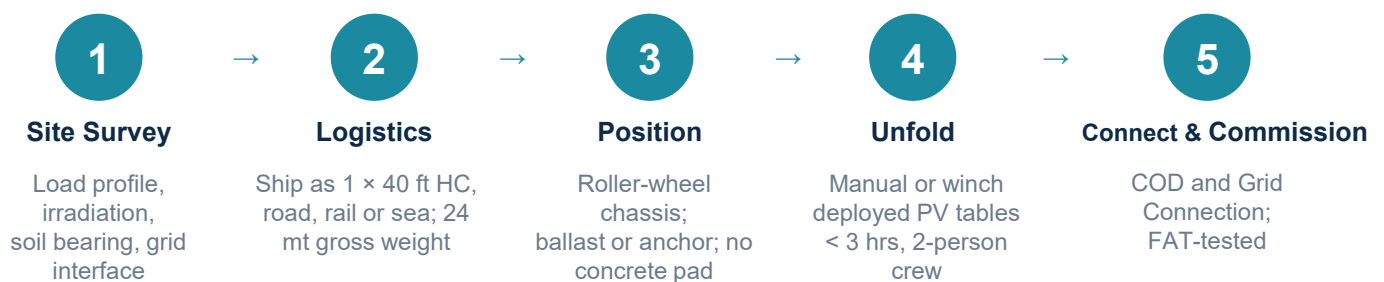
The SolarBox™ scales from a single unit to a 10 MW utility array. Below are four recognised electrical configurations, the on-site deployment sequence, and the use-case fit by sector — so you can pick the right one before we engineer the site.

FOUR REFERENCE CONFIGURATIONS

Each SolarBox™: 200 kW AC / 235–250 kWp DC. Configuration totals below are stated in kWp DC.

CONFIG-1 Single Container 250 kWp Small C&I 1 × SolarBox™ → MDB • Direct 400 V LV connection • Rooftop or workshop loads • Class 0.5S meter at MDB	CONFIG-2 AC Combiner Cluster 1,000 kWp Medium C&I 4 × SolarBox™es → AC Combiner → MDB • 2,000 A combiner busbar • Selective earth-fault tripping • Per-feeder yield monitoring
CONFIG-3 Hybrid + ESS 750 kWp PV + 964 kWh Microgrid 3 × SolarBox™ + 4 × Grid-forming ESS • Grid-forming (VSG) via ESS • Black-start, < 20 ms transfer • Critical-load island bus	CONFIG-4 Utility-Scale 20 to 34.5kV MV 10,000 kWp Utility / IPP 40 × SolarBox™es → 5 × Combiner → 10 MVA Tx • Step-up to 34.5 kV MV • OC / EF / LVRT relay set • DNP3 / IEC 61850 SCADA

ON-SITE DEPLOYMENT — TYPICAL SEQUENCE



Let's Engineer Your Site.

equatore.asia • Industrial • Hybrid • Utility

Site survey · load profile · configuration proposal · deployment plan

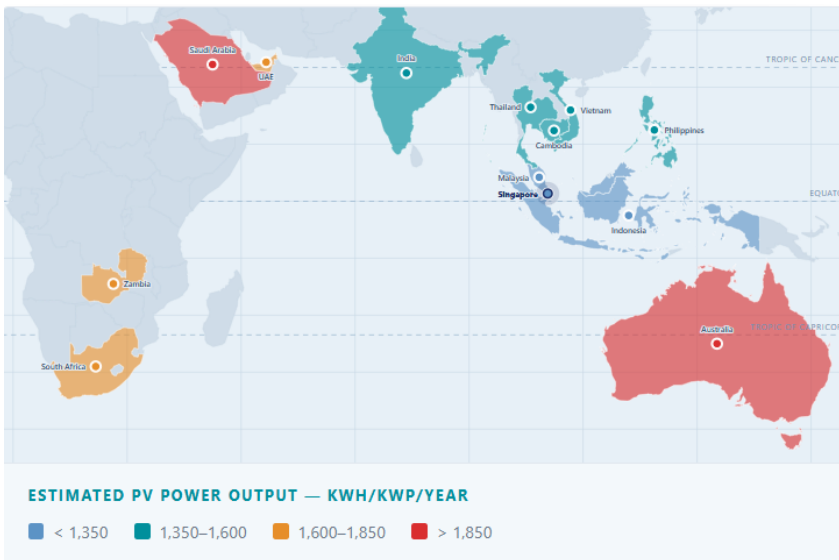
WHERE IT FITS & LCOE

Built for Any Site, Any Architecture.

WHERE IT FITS — SECTOR × CONFIGURATION

SECTOR	TYP. LOAD	Config-1	Config-2	Config-3	Config-4	PRIMARY VALUE
Mining & remote industry	0.5 –10 MW	•	••	•••	••	Diesel displacement, relocatable
Agriculture & plantation	0.2 –2 MW	••	•••	••	—	Daytime self-consumption
Island & atoll utilities	0.3 –5 MW	•	••	•••	—	Grid-forming microgrid
Disaster relief / defence	0.2 –1 MW	•••	••	•	—	Rapid power, < 3 hr live
Construction sites	0.5 –5 MW	•	•••	••	•	Multi-year, re-deployable
Utility / IPP	5.0 – 50 MW	—	•	••	•••	MV injection, PPA-grade

ESTIMATED CAPEX LCOE IN SELECTED MARKETS



Disclaimer: Indicative estimate on Capex LCOE for 1 SolarBox™ deployment only, not a price quotation or financial advice. Capex LCOE calculated based on equipment cost delivered FOB China in Q32026 and does not include other ancillary costs such as transportation and site installation. Yield source: Global Solar Atlas PVOU (Solargis, data version 2.2.68, updated April 2026), long-term average photovoltaic output in kWh/kWp per year, read at one representative location per country.

Country	First-Year Power Generation (kWh/kWp)	Capex LCOE (US cents/kWh)
Australia	1939	1.94
Indonesia	1303	2.88
Singapore	1287	2.92
Malaysia	1318	2.85
Cambodia	1580	2.38
Thailand	1448	2.59
Vietnam	1422	2.64
Philippines	1374	2.73
India	1593	2.36
Saudi Arabia	1854	2.02
UAE	1775	2.11
Zambia	1782	2.11
South Africa	1795	2.09

WHY ERA & NEXT STEPS

WHY ERA SolarBox™

Not a container. A power plant.

- | | | |
|----|-------------------------|--|
| 01 | Engineered in Singapore | Asia-regional service, reviewed by international certification company. |
| 02 | Manufactured to spec | Tier-1 audited supply chain. Full electrical and mechanical engineering before shipping. |
| 03 | Deployed worldwide | Single-vendor accountability across logistics, deployment, commissioning and O&M. |

LET'S START THE CONVERSATION

WEB

equatore.asia

HEADQUARTERS

Singapore

SEGMENTS

Industrial · Hybrid · Utility